

Automatic and Manual Book Scanner in ONE

Designed and manufactured by 4DigitalBooks, the **DL-mini C 400** integrates **two Canon EOS 5 DSR** digital cameras. Provides very reliable productivity and exceptional image quality. DL-mini is the ultimate tool for mass digitization of books.

AUTOMATIC

DL-mini is an automatic book scanner with highest level of automation, respecting safety of bindings and pages. Turns and scans pages of all types of books, magazines and bound newspapers with a very reliable production process. Handles challenging smaller books that close spontaneously.

MANUAL

DL-mini is a manual book scanner for any kind of documents. Accepts unusual documents such as photo albums, stamp albums, spiral, bound notebooks, postcards, photos, manuscripts ... Allows scanning exceptions found in bound documents such as : lose sheets, inserts, fold-outs, bent pages, torn pages, covers ...

TECHNOLOGY

DL-mini detects double pages and automatically retries page pickup, insuring one page turn at a time and less operator interventions. Reaches consistent productivity of **1500 pages per hour** and max speed of **2000 pages per hour** for quick scanning of easy books. Saves important labor costs, because it does not require operator presence. Has an auto-centered book cradle that insures relaxed placing of the book. Presents pages for optimal image exposure for visible text close to the binding. Has an automatic detection of book size, to reduce human errors. Allows optimal scanning of largest variety of materials.

FEATURES

- lifetime reliability suitable for 24 hours - 7 days operation
- automatic detection and adapting to parameters of the book
- flexible algorithm finds the best way to separate pages
- ensured one page turn at a time, no missing of pages
- handles softly the pages and the binding
- suitable for recent and old books
- storage of book parameters as presets for faster operation
- higher quality images as pages are presented under a glass
- accepts books with any paper thickness, texture and porosity

Dimensions LxWxH : 1.8 x 1.2 x 2.0 m - standing on a table
Height of Book Holder : 1 m
Power : 120-240 V, 2.2 kVA, 50-60 Hz





Technical Specifications

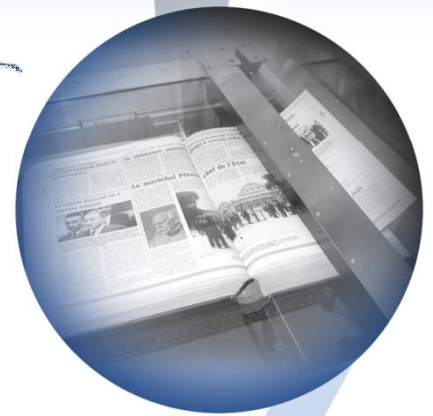
DOCUMENTS ACCEPTED

document types : books, magazines and bound newspapers
 book weight : max. 10 kg
 book thickness : max. 100 mm
 book covers : soft and rigid
 page size : min A6 (105 x 148 mm), **max A3 (297 x 420 mm)**
 scanning surface : max. 600 x 420 mm
 paper weight : min. 20 g/m2, max. 200 g/m2
 wavy pages or covers : max. amplitude 10 mm
 opening angle of pages : 180°, allows full visibility of text close to the binding
 behavior of books : books that remain open or close spontaneously



PROCESS

book centering : automatic by book cradle
 book holding : by distributed vacuum plates
 page pickup : by distributed vacuum arm
 page flattening : none, contact, pressed under a glass
 automatic detection : page width, multi-feed
 safety measures : checking page pickup & release, page bending
 automatic retry : in case of multi-feed or missed page pick up



SCANNER FEATURES

| Camera Technology | Image Matrix Size | Image Colors | Bits / Pixel | Resolution (dpi) | | |
|-------------------|---------------------------|---------------|--------------|------------------|-----|------|
| | | | | min | max | opt |
| Canon EOS 5 DS R | 50 Mega Pixels per camera | 4 Tera colors | 42 | 200 | 400 | 600* |

(*) Optical resolution 600 dpi, available on max A4 page format, with a set of optional lenses.



MAXIMUM PRODUCTIVITY

3 speed settings are available to allow proper manipulation of the document depending on its fragility.
 Maximum productivity is reached for books that are in good condition.

